| Ind | ex of | Claims |  |
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|     |       |        |  |

| Application No. | Applicant(s)     |  |
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| 10/031,376      | OGASAWARA ET AL. |  |
| Examiner        | Art Unit         |  |
| Jack Dinh       | 2873             |  |

| √ . | Rejected | _ |
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| II  | Allowed  | ÷ |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

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| 0 | Objected |

|          |          | T        |   |   |          |          |          | 1 1               | Claim Date |          |     |       |          |              |           | -            |   |      |          |          |       |  |
|----------|----------|----------|---|---|----------|----------|----------|-------------------|------------|----------|-----|-------|----------|--------------|-----------|--------------|---|------|----------|----------|-------|--|
| Cla      | aim      | -        |   | _ |          | Dat      | e        | _                 | _          |          |     | Cla   | aim      | <del> </del> |           |              | [ | Date | e        | _        |       |  |
| Final    | Original | 11/14/03 |   | ļ |          |          |          | ļ<br>1            |            |          |     | Final | Original |              |           |              |   |      |          |          |       |  |
|          | 1        | 1        |   |   | 1        | t        |          | 1                 | $\dagger$  | 1        | 1 1 |       | 51       |              | $\dashv$  | 7            |   | T    | $\vdash$ | T        | t     | <del>                                     </del> |
|          | 2        | V        |   |   |          |          |          |                   |            | Γ        | 1   |       | 52       |              | $\neg$    | $\neg$       |   | i -  |          |          | 1     |  |
|          | 3        | 1        |   |   |          |          |          |                   |            |          | 1 1 |       | 53       |              |           | ヿ            |   |      | T        | $\Box$   | T     | Г  |
|          | 4        | V        |   |   |          |          |          | Ī                 |            |          | 1   |       | 54       |              |           | $\neg$       |   |      |          |          |       |  |
|          | 5        | V        |   |   | Γ        |          |          |                   |            |          | 1 1 |       | 55       |              | T         | 7            |   |      | $\vdash$ | T        |       | $\Box$   |
|          | 6        | 1        |   |   | Ī        |          |          |                   |            |          |     |       | 56       | $\Box$       | 7         |              |   |      |          |          |       | Г  |
|          | 7        | V        |   |   |          |          |          | Г                 | 1          |          | 1   |       | 57       |              | 寸         | ٦            |   |      | Г        | T        | Γ_    |  |
|          | 8        | V        |   |   |          |          |          |                   |            |          |     |       | 58       |              |           | П            |   |      | Π        |          |       |  |
|          | 9        | =        |   |   |          |          | Ι.       |                   |            | Π        |     |       | 59       |              | T         | ╗            |   |      | Г        | Γ        | Γ     |  |
| [        | 10       | =        |   |   |          | Г        |          | Γ                 | Ī          | П        |     |       | 60       |              |           | П            |   |      |          |          |       |  |
|          | 11       | =        |   |   |          |          |          |                   |            |          | ] [ |       | 61       | $\Box$       |           | $\exists$    |   |      |          | Γ        |       |  |
|          | 12       | =        |   |   |          | L        | Ī.       |                   | T          | Γ        |     |       | 62       |              |           |              |   |      | Π        |          |       |  |
|          | 13       | V        |   |   | Π        | $\Box$   |          |                   |            |          |     |       | 63       |              | $\exists$ | $\Box$       |   |      |          | Γ        |       |  |
|          | 14       | V        |   |   |          |          |          |                   |            |          |     |       | 64       |              | $\Box$    | Π            |   |      |          |          |       |  |
|          | 15       | =        |   |   |          |          |          |                   |            |          |     |       | 65       |              |           |              |   |      |          |          |       |  |
|          | 16       | =        |   |   |          |          |          |                   | Π          |          | ]   |       | 66       |              |           | $\Box$       |   |      |          |          |       |  |
|          | 17       |          |   |   |          |          |          |                   |            |          |     |       | 67       |              |           | T            |   |      |          |          |       |  |
|          | 18       |          |   |   |          |          |          |                   |            | L.       | ] [ |       | 68       |              |           |              |   |      |          |          |       |  |
|          | 19       |          |   |   |          |          |          |                   |            |          | [   |       | 69       |              | $\neg$    | T            |   |      |          |          |       |  |
|          | 20       |          |   |   |          |          |          |                   |            |          | ] [ |       | 70       |              | $\Box$    |              |   |      |          |          |       |  |
|          | 21       |          |   |   |          |          |          |                   |            |          | [ [ |       | 71       |              | [         |              |   |      |          |          | l _   |  |
|          | 22       |          |   |   |          |          |          |                   |            |          |     |       | 72       |              |           |              |   |      |          |          |       |  |
|          | 23       |          |   |   |          | L.       |          |                   |            |          | ] [ |       | 73       |              | T         |              |   |      |          |          |       |  |
|          | 24       |          |   |   |          |          |          |                   |            |          |     |       | 74       |              |           |              |   | [    |          | L        |       |  |
|          | 25       |          |   |   |          |          |          |                   |            |          |     |       | 75       |              |           |              |   |      |          |          |       |  |
|          | 26       |          |   |   |          |          |          |                   |            |          | ] [ |       | 76       |              | $\perp$   |              |   | Ĺ.   |          |          |       |  |
|          | 27       |          |   |   |          |          |          |                   | Γ          |          |     |       | 77       |              |           |              |   |      |          |          |       |  |
|          | 28       |          |   |   |          |          |          | <u>L</u>          | L          |          |     |       | 78       |              | $\bot$    |              |   |      |          |          |       |  |
|          | 29       |          |   |   |          | L        |          |                   | L          |          |     |       | 79       |              |           |              |   |      |          |          |       |  |
|          | 30       |          |   |   |          |          |          |                   |            |          |     |       | 80       |              | $\perp$   |              |   | Ĺ    | L        |          |       |  |
|          | 31       |          |   |   |          |          |          |                   |            |          |     |       | 81       |              |           |              |   |      |          |          |       |  |
|          | 32       |          |   |   | <u> </u> |          | <u>_</u> | L.                | L          |          |     |       | 82       |              |           |              |   | L    | L.       |          | L     |  |
|          | 33       |          |   |   |          |          | _        | L_                | L          | _        |     |       | 83       |              | $\perp$   |              |   |      | L_       |          | L     | _  |
| L        | 34       |          |   | L | _        | _        |          |                   | L          | L        | [   |       | 84       |              |           | _[           | _ |      |          |          | L     |  |
|          | 35       |          |   |   | L        | L        |          | _                 | L          |          |     |       | 85       |              | $\perp$   |              |   | L    |          | L        | L     |  |
| L        | 36       |          |   |   |          |          |          | _                 | L          | _        |     |       | 86       |              |           | $\Box$       |   | L_   | $\Box$   | L        | Ĺ     | _  |
|          | 37       |          |   |   |          | <u></u>  |          |                   |            |          |     |       | 87       |              | $\bot$    |              |   | L    |          | L        |       |  |
|          | 38       |          |   |   |          |          |          | L                 | L          |          | [   |       | 88       |              |           |              |   |      |          | L        | oxdot | 匚  |
| $\sqcup$ | 39       |          |   |   |          | _        |          | _                 | _          |          | ll  |       | 89       | $\perp$      | $\perp$   |              |   |      | <u> </u> | _        | _     | _  |
| $\perp$  | 40       |          |   |   | <u> </u> |          | <u> </u> |                   | _          |          |     |       | 90       | _            | $\perp$   | 1            |   | L    |          | _        | L_    | L.   |
| $\Box$   | 41       | لـــا    |   |   | L_       |          | <u> </u> | L                 | _          |          |     |       | 91       | _            | $\bot$    | _            |   |      |          | <u> </u> | _     | <u> </u>   |
| $\Box$   | 42       |          |   |   | <u> </u> | <u> </u> |          | _                 | _          | L        |     |       | 92       |              | $\perp$   | $\downarrow$ |   | L    |          | <u> </u> | L_    | _  |
|          | 43       |          |   |   | L        | <u> </u> | <u> </u> | $ldsymbol{f eta}$ | <u> </u>   | L_       |     |       | 93       |              | ᆚ         | _            |   |      | <u> </u> | <u> </u> | L     | _  |
|          | 44       | لـــا    |   |   |          | L_       |          | _                 | _          |          |     |       | 94       | $\bot$       |           | $\perp$      | _ | L    |          | <u></u>  | L     | _  |
|          | 45       |          |   |   | <u>_</u> | L        | <u></u>  | <u> </u>          | L          | <u> </u> |     |       | 95       |              | $\perp$   | _            |   |      | Ĺ        | <u> </u> |       | L  |
|          | 46       |          |   |   |          | L_       | L        |                   | L          |          |     |       | 96       | $\Box$       | $\Box$    |              |   |      | L        |          | L     |  |
| <u></u>  | 47       |          |   |   | _        | L        |          |                   | L          |          |     |       | 97       | $\perp$      | $\perp$   | _[           |   |      | <u></u>  | _        | L     | _  |
|          | 48       |          |   |   | _        | L_       |          | ļ                 | _          |          |     |       | 98       | $\perp$      | $\perp$   | _[           |   |      | <u> </u> | _        | L     | _  |
|          | 49       |          |   |   | L_       |          |          |                   | <u></u>    | _        |     |       | 99       |              |           | _            |   | _    |          | _        | L     | <u></u>  |
|          | 50       | - 1      | 1 |   | 1        | Ι ΄      | ſ        | 1                 | 1          | 1        | 1 1 | )     | 100      | Ì            | ì         | 1            |   |      | 1        | 1        | 1     | 1  |

| Cla          | aim                        | Date     |          |            |          |          |          |          |          |          |  |  |
|--------------|----------------------------|----------|----------|------------|----------|----------|----------|----------|----------|----------|--|--|
| <u> </u>     |                            | -        | r        | Γ          | ι –      | <u> </u> | Ī        |          | Γ        |          |  |  |
| Final        | Original                   |          |          |            |          |          |          |          |          |          |  |  |
|              | 51                         |          | Γ        |            | $\vdash$ | Г        |          |          |          | 1        |  |  |
|              | 52                         |          |          | _          | -        | 1        |          |          | _        |          |  |  |
|              | 53                         |          | Γ-       | t          |          |          |          |          |          | $\vdash$ |  |  |
|              | 54                         | 1        |          |            |          |          |          |          |          |          |  |  |
|              | 55                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 56                         | Г        |          |            |          |          | T        | _        |          |          |  |  |
|              | 57                         |          |          |            |          |          |          |          |          | _        |  |  |
|              | 58                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 59                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 60                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 61                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 62                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 63<br>64                   |          |          |            |          |          |          |          |          |          |  |  |
|              | 64                         |          |          |            |          |          |          |          |          |          |  |  |
| L            | 65                         | L        |          |            |          |          |          |          | L.       |          |  |  |
| L            | 66<br>67                   |          |          |            |          |          |          |          |          |          |  |  |
|              | 67                         |          |          |            |          |          | L        |          |          |          |  |  |
|              | 68                         |          |          |            |          | <u> </u> |          |          |          |          |  |  |
|              | 69                         | <u> </u> |          |            |          |          |          |          |          |          |  |  |
|              | 70                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 71                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 72                         |          |          |            |          |          |          |          |          |          |  |  |
|              | 71<br>72<br>73<br>74       |          |          |            |          |          |          |          |          |          |  |  |
|              | 74                         | L        |          |            |          |          |          |          |          |          |  |  |
| L            | 75                         |          | _        |            | L        |          | _        |          | L_       | L        |  |  |
|              | 76                         | _        | L        | L          |          | L        | _        | <u> </u> | L.,      |          |  |  |
| L            | 75<br>76<br>77<br>78<br>79 |          |          |            | _        |          | _        |          |          |          |  |  |
|              | 78                         |          | _        | L          |          | _        | _        |          |          | _        |  |  |
|              | 79                         | _        |          | <u>L</u> _ | _        | ļ        | L        | L.       |          |          |  |  |
|              | 80                         | <u>L</u> | _        | <u> </u>   |          | L_       | _        | _        | <u> </u> | _        |  |  |
|              | 81                         | <u>L</u> | _        | ļ          | L.       |          | _        |          |          | Ļ        |  |  |
|              | 82<br>83                   | L        |          | L          |          | L.       | L.       | _        | L.       | _        |  |  |
|              | 83                         | ļ        |          | <u> </u>   | _        | <u> </u> | ļ        | ļ        | <u> </u> | _        |  |  |
|              | 84<br>85                   | ļ        |          | _          | _        | _        | <u> </u> | <u> </u> | <u> </u> | <u> </u> |  |  |
|              | 85                         | $\vdash$ | ļ        | <u> </u>   | <u> </u> | <u> </u> | _        | <u> </u> | <u> </u> | _        |  |  |
|              | 86                         | <u> </u> | <u> </u> | <u> </u>   | <u> </u> | L        | _        | <u> </u> | <u> </u> | <u> </u> |  |  |
| <b></b>      | 87                         | _        |          |            | _        | <u> </u> | _        | _        |          | <u> </u> |  |  |
| <u> </u>     | 88                         |          | <u> </u> | <u> </u>   | <u> </u> | <b> </b> | $\vdash$ |          | <u> </u> | <u> </u> |  |  |
| <u> </u>     | 89                         |          | _        | <u> </u>   | -        |          | _        | -        | _        | -        |  |  |
|              | 90                         | Н        | <u> </u> | -          | <u> </u> |  |  |
| <u> </u>     | 91                         | -        | _        | $\vdash$   |          | $\vdash$ | <u> </u> | $\vdash$ | <u> </u> | -        |  |  |
|              | 92                         | H        | <u> </u> | <u> </u>   | <u> </u> | <u> </u> | -        | ļ        |          | <u> </u> |  |  |
| <u> </u>     | 93                         | <b> </b> | _        | ├-         |          | <u> </u> | <u> </u> |          | <u> </u> | -        |  |  |
|              | 94                         |          |          | <u> </u>   | <u> </u> | <u> </u> | ļ        | ļ,       | <u> </u> | <u> </u> |  |  |
| <del></del>  | 95                         | -        | _        | -          | H-I      |          | <u> </u> |          | -        | -        |  |  |
|              | 96<br>97                   | $\vdash$ | _        |            | <u> </u> | <u> </u> | $\vdash$ |          |          | -        |  |  |
| <del></del>  | 97                         |          |          | $\vdash$   | ļ        |          |          |          |          | <u> </u> |  |  |
|              | 98<br>99                   | $\vdash$ |          | <u> </u>   | -        | -        |          | -        | —        | _        |  |  |
| <del> </del> | 100                        | $\vdash$ |          | $\vdash$   | <u> </u> | _        | -        |          |          | <u> </u> |  |  |

|          |            | Dot- |          |          |            |          |          |          |          |                 |  |
|----------|------------|------|----------|----------|------------|----------|----------|----------|----------|-----------------|--|
| L CI     | aim        | Date |          |          |            |          |          |          |          |                 |  |
| Final    | Original   | !    |          |          |            |          |          |          |          |                 |  |
|          | 101        |      |          |          |            |          | _        |          | <u> </u> | H               |  |
|          | 102        |      |          |          |            |          |          |          |          |                 |  |
|          | 103        |      |          | Г        |            |          |          |          | $\Box$   |                 |  |
|          | 104        |      |          | _        |            |          |          |          |          | $\Box$          |  |
|          | 105        |      |          |          |            |          |          |          |          |                 |  |
|          | 106        |      |          |          |            |          |          |          |          |                 |  |
|          | 107        | _    |          |          |            |          |          |          |          |                 |  |
|          | 108        |      |          |          |            |          |          |          |          |                 |  |
|          | 109        |      |          |          |            |          |          |          |          |                 |  |
|          | 110        |      |          |          |            |          |          |          |          |                 |  |
|          | 111        |      |          | L_       | L.         |          | <u> </u> |          | L_       |                 |  |
|          | 112        |      | _        |          |            | _        | L.       |          |          |                 |  |
|          | 113        |      | L        | <u> </u> |            |          | L_       |          | <u> </u> |                 |  |
| <u> </u> | 114        |      | <u> </u> |          |            | L.,      | ļ        | ļ        | <u> </u> | <u> </u>        |  |
| <u> </u> | 115        |      | <u> </u> |          |            |          | _        |          | <u> </u> |                 |  |
|          | 116        |      | <u> </u> |          | <u>L</u> . | <u> </u> | <u> </u> | <u> </u> | <u> </u> | L               |  |
|          | 117        |      |          | <u> </u> | _          | _        | _        |          |          | _               |  |
| <u> </u> | 118        |      | <u> </u> | <u> </u> | L          | L.       | ļ        | L        | <u> </u> |                 |  |
|          | 119        |      | _        |          | -          | _        | <u> </u> | _        |          | _               |  |
| <u> </u> | 120        |      | _        | <u> </u> |            | _        | <u> </u> | <u> </u> | <u> </u> | _               |  |
| -        | 121        |      | -        |          | _          | _        | -        | -        | Ļ        |                 |  |
|          | 122<br>123 |      | H        |          |            | _        | <u> </u> | <u> </u> |          | -               |  |
|          | 123        | _    |          |          |            | _        | _        | _        |          | $\vdash$        |  |
| <b></b>  | 125        |      | <u> </u> | -        | -          | _        | <u> </u> |          |          |                 |  |
| -        | 126        |      | -        | -        | -          | -        |          | -        | -        | -               |  |
|          | 127        |      | -        | -        | -          | -        | -        | H        | -        | -               |  |
| <u> </u> | 128        |      | $\vdash$ | _        |            |          |          |          | -        | -               |  |
|          | 129        |      |          |          | -          | _        | -        | _        | -        |                 |  |
|          | 130        | _    | Г        |          |            | _        |          |          |          | -               |  |
|          | 131        |      |          | _        |            |          |          |          |          |                 |  |
|          | 132        |      |          |          |            | _        |          |          | _        | _               |  |
|          | 133        |      |          |          |            |          |          |          |          |                 |  |
|          | 134        |      |          |          |            |          |          |          |          |                 |  |
|          | 135        |      |          |          |            |          |          |          |          |                 |  |
|          | 136        | _    |          |          |            |          |          |          |          |                 |  |
|          | 137        |      |          |          |            |          |          |          |          |                 |  |
|          | 138        |      |          |          |            |          |          |          | L        |                 |  |
|          | 139        |      |          |          |            |          |          |          | L.       |                 |  |
| L        | 140        |      | L        |          |            | L        |          |          | L.       |                 |  |
|          | 141        |      |          |          |            |          |          |          |          |                 |  |
| <u> </u> | 142        |      | <u> </u> |          |            |          | L        | _        | <u> </u> | <u> </u>        |  |
| ļ        | 143        |      |          | <u> </u> |            |          |          | _        | H        | Щ               |  |
|          | 144        |      | <u> </u> | <u> </u> |            | L_       | L        |          | -        | -               |  |
| <u> </u> | 145        |      | <u> </u> |          |            |          |          | <u> </u> | <u> </u> | $\vdash$        |  |
|          | 146        |      | <u> </u> | <u> </u> |            | <u> </u> |          |          | -        | -               |  |
|          | 147        |      |          | <u> </u> |            |          |          | $\vdash$ |          | Н               |  |
|          | 148        |      | -        |          | Ь.—        |          |          |          |          |                 |  |
| -        | 149<br>150 |      | -        | -        |            |          |          |          | -        | $\vdash \vdash$ |  |
| L        | 130        |      | Щ.       | <u> </u> | Ļ          |          |          | L        | نـــا    | Ц               |  |